

Converting Colors

XYZ(68.5971, 47.6064,
184.2076)

Have a look what the booklet for
XYZ(68.5971, 47.6064, 184.2076)
contains.

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Color

**XYZ(52.5095, 41.1748,
99.7877)**

Conversions

Conversions Part 1

Format	Color
Hex	C796FF
RGB	199, 150, 255
RGB Percent	78%, 59%, 100%
CMY	0.2196, 0.4117, 0.0000
CMYK	0.22, 0.41, 0.00, 0.00
HSL	268°, 100%, 79%
HSV	268°, 41%, 100%
XYZ	52.5095, 41.1748, 99.7877
YIQ	176.6210, -4.5010, 43.0430

Conversions

Conversions Part 2

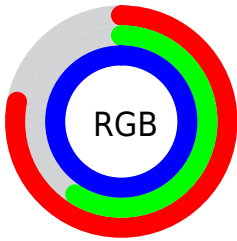
Format	Color
RYB	199, 150, 255
Decimal	13080319
CIELab	70.30, 38.29, -45.48
CIELCh	70, 59.454, 310.099
Yxy	41.1748, 0.2714, 0.2128
Android (android.graphics.Color)	4291270399 (0xFFC796FF)
YUV	176.6210, 38.6408, 19.6264
Hunter-Lab	64.1676, 33.7765, -47.2852

Details

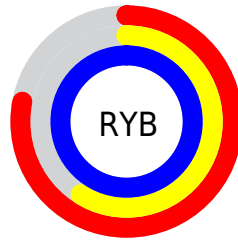
The XYZ color **52.5095, 41.1748, 99.7877** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.7192, 86.8441, 42.1019**, and the grayscale version is **41.3983, 43.5543, 47.4306**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **25.8884, 18.6522, 55.6618** is the 20% darker color. If you saturate the color by 10%, you get **45.4259, 32.1264, 98.4145**, and if you desaturate by 10%, it is **60.8036, 52.1632, 101.4715**.

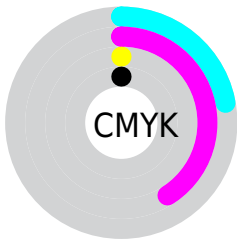
Distribution



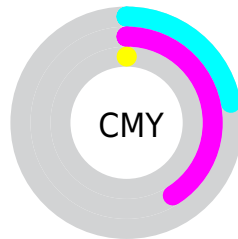
- Red (78%)
- Green (59%)
- Blue (100%)



- Red (78%)
- Yellow (59%)
- Blue (100%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5095, 41.1748, 99.7877 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.5095, 41.1748, 99.7877 by changing the saturation by 10% instead.


 52.5095, 41.1748,
99.7877


 52.5095, 41.1748,
99.7877


386.6922,
351.0507, 580.7527

 37.6373, 28.4557,
75.5074


 93.0520, 76.9492,
162.9147

 25.8772, 18.6695,
55.5244


 119.4530,
100.7732, 202.5985

 16.8640, 11.4317,
39.4203


150.4275,
129.0677, 248.2538

 10.2323, 6.3580,
26.7765

186.3411,
162.2171, 300.2992

 5.6167, 3.0640,
17.1745

227.5590,
200.6056, 359.1533

 2.6519, 1.1652,
10.1957

274.4465,

 0.9725, 0.0330,

244.6178, 425.2345

5.4216

327.3692,
294.6380, 498.9615

■ 0.0000, 0.0000,
2.4337

■ 0.0000, 0.0000,
0.8047

■ 52.5095, 41.1748,
99.7877

■ 52.5095, 41.1748,
99.7877

■ 45.4259, 32.1264,
98.4145

■ 60.8036, 52.1632,
101.4715

■ 39.4823, 24.8928,
97.3316

■ 70.3651, 65.1965,
103.4833

■ 34.6063, 19.3413,
96.5170

■ 81.2516, 80.3778,
105.8398

■ 30.7144, 15.3180,
95.9456

■ 93.5161, 97.8014,
108.5565

■ 27.7073, 12.6388,
95.5869

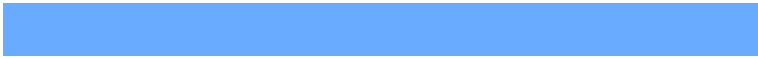
95.0500, 100.0000,
108.9000

■ 25.6580, 11.1421,
95.4060

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5190, 41.1748, 121.2865



52.5095, 41.1748, 99.7877



59.5649, 41.1748, 65.7274

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.5095, 41.1748, 99.7877



45.8770, 41.1748, 10.9075



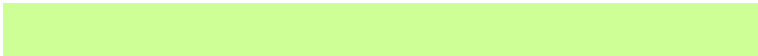
23.4153, 41.1748, 54.9318

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.5095, 41.1748, 99.7877



66.7192, 86.8441, 42.1019

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.0096, 41.1748, 28.9139



52.5095, 41.1748, 99.7877



35.9363, 41.1748, 10.0072

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.5095, 41.1748, 99.7877



55.3163, 41.1748, 18.3611



28.2501, 41.1748, 15.0078



26.4646, 41.1748, 89.1225

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.5095, 41.1748, 99.7877



61.0600, 41.1748, 44.7396



28.2501, 41.1748, 15.0078



23.2095, 41.1748, 44.9252

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.5109, 41.1764, 99.7880



80.3020, 79.0417, 105.6319



52.7001, 57.8479, 102.9959



16.8702, 16.4720, 22.5402



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.5109, 41.1764, 99.7880



46.8673, 33.9358, 98.6878



68.9210, 49.6361, 100.5559



17.8089, 17.7932, 22.7458



13.5755, 5.9089, 49.8596



1.4465, 0.6396, 4.8605

Inverse Universe

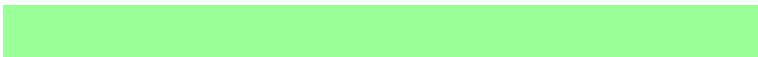
The Inverse Universe completely reimagines the original color for something new.



63.2877, 47.5302, 64.2318



59.2717, 41.2556, 57.4759



54.4975, 80.5436, 41.5299



18.4143, 18.1490, 20.7991



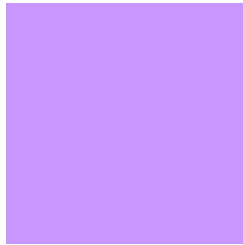
23.9470, 12.0681, 13.6373



2.3869, 1.1971, 1.6186

Previews

White Background



This preview shows how the XYZ color 52.5095, 41.1748, 99.7877 looks on a white background.

Color Contrast Check

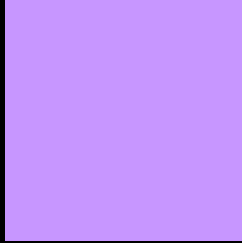
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.5095, 41.1748, 99.7877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

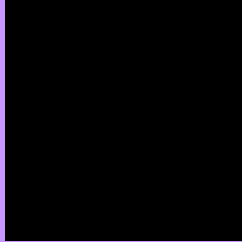
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5095, 41.1748, 99.7877

Background



This preview shows how black text looks on a background with the XYZ color 52.5095, 41.1748, 99.7877.



This preview shows how white text looks on a background with the XYZ color 52.5095, 41.1748,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.5095, 41.1748, 99.7877

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.6230, 41.5798, 97.0460



Tritanopia

42.0226, 40.9662, 48.3403

Trichromacy



Original Color

52.5095, 41.1748, 99.7877



Protanomaly

46.0746, 40.8472, 100.0636



Deuteranomaly

45.3658, 40.7997, 97.5796

Tritanomaly

45.3191, 40.7230, 64.5032

Monochromacy



Original Color

52.5095, 41.1748, 99.7877



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

44.8457, 42.3595, 63.5702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5095, 41.1748, 99.7877 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.5095, 41.1748, 99.7877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 150, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 150, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5095, 41.1748, 99.7877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
150, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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